



RECEIVED

NOV 20 2002

6/9

TECH CENTER 1600/2900

TCTGCCCTACCCGTTTGGCCTGACTCAATATAGCGATTACATCTACTGGACTGACTGGAA
CCTGCATAGCATTGAACGGGCGGACAAAGACCAGTGGGCGGAACCGCACCCCTCATCCAGGG
TCACCTGGACTTCGTCTATGGACATCCTGGTGTTCCTACTCCTCCCGTCAGGATGGCCTCAA
CGACTGCGTGCACAGCAATGGCCAGTGTGGGCAGCTGTGCCTCGCCATCCCGGAGGCCA
CCGCTGTGGCTGTGCTTCACTACACGCTGGACCCAGCAGCCGCAACTGCAGCCCGCC
CTCCACCTTCTTGTCTTTCAGCCAGAAATTTGCCATCAGCCGGATGATCCCGATGACCA
GCTCAGCCCGGACCTTGTCTACCCCTTCATGGGCTGAGGAACGTCAAAGCCATCAACTA
TGACCCGCTGGACAAGTTCATCTACTGGGTGGACGGGCGCCAGAACATCAAGAGGGCCAA
GGACGACGGTACCCAGCCCTCCATGCTGACCTCTCCAGCCAAAGCCTGAGCCAGACAG
ACAGCCACACGACCTCAGCATTGACATCTACAGCCGGACACTGTTCTGGACCTGTGAGGC
CACCAACACTATCAATGTCCACCGCTGGATGGGGATGCCATGGGAGTGGTCTTCGAGG
GGACCGTGACAAGCCAAGGGCCATTGCTGTCAATGCTGAGCGAGGGTACATGTACTTTAC
CAACATGCAGGACCATGCTGCCAAGATCGAGCGAGCCTCCCTGGATGGCACAGAGCGGGA
GGTCTCTTACCACAGGCCTCATCCGTCCCGTGGCCCTTGTGGTGGACAATGCTCTGGG
CAAGCTCTTCTGGGTGGATGCCGACCTAAAGCGAATCGAAAGCTGTGACCTCTCTG [GGG
CCAACCGCCTGACCTGGAAGATGCCAATCGTACAGCCAGTAGGTCTGACAGTGTCTGG
GCAGGCACCTCTACTGGATCGACCGCCAGCAGCAGATGATCGAGCGCGTGGAGAAGACC]
ACTGGGGACAAGCGGACTAGGGTTTCAGGGCCGTGTCACCCACC [TGACAGGCATCCATGC
CGTGAGGAAGTCAGCCTGGAGGAGTTCT] CAGCCCATCCTTGTGCCCGAGACAATGGCG
GCTGCTCCACATCTGTATCGCCAAGGGTGATGGAACACCGCGCTGCTCGTCCCTGTCC
ACCTGGTGCTCCTGCAGAACCTGCTGACTTGTGGTGAGCCTCCTACCTGCTCCCTGATC
AGTTTGATGTACCACTGGTGAGATCGACTGCATCCCGGAGCCTGGCGCTGTGACGGCT
TCCCTGAGTGTGCTGACCAGAGTGATGAAGAAGGCTGCCAGTGTGCTCCGCCTCTCAGT
TCCCTGCGCTCGAGGCCAGTGTGTGGACCTGCGGTTACGCTGCGACGGTGAGGCCGACT
GCCAGGATCGCTCTGATGAAGCTAACTGCGATGCTGTCTGTCTGCCAATCAGTTCGGGT
GCACCAGCGGCCAGTGTGTCTCATCAAGCAACAGTGTGACTCCTTCCCGACTGTGCTG
ATGGGTCTGATGAGCTCATGTGTGAAATCAACAAGCCACCCTCTGATGACATCCAGCCC
ACAGCAGTGCCATTGGGCGCGTATGGTATCATCCTCTCCCTCTTCGTCATGGGCGGG
TCTACTTTGTCTGCCAGCGTGTGATGTGCCAGCGCTACACAGGGGCCAGTGGGCCCTTTC
CCCACGAGTATGTTGGTGGAGCCCTCATGTGCTCTCAACTTCATAGCCCGAGGTGGCT
CACAGCACGGTCCCTTCCAGGCATCCCGTGCAGCAAGTCCGTGATGAGCTCCATGAGCC
TGGTGGGGGGGGCGCGCAGCGTGCCCTCTATGACCGGAATCACGTCACTGGGGCCCTCAT
CCAGCAGCTCGTCCAGCACAAAGGCCACACTATATCCGCCGATCCTGAACCCACCCCGT
CCCCGGCCACAGACCCCTCTCTTACAACGTGGACGTGTTTTATTCTTCAGGCATCCCGG
CCACCGCTAGACCATACAGGCCCTACGTCAATCGAGGTATGGCACCCCAACAACACCGT
GCAGCACAGATGTGTGTGACAGTGACTACAGCATCAGTCGCTGGAAGAGCAGCAATACT
ACCTGGACTTGAATTCGACTCAGACCCCTACCCCCCCCCCGCCACCCCCCAAGCCAGT
ACCTATCTGCAGAGGACAGCTGCCCCACCCTCACCAGGCACTGAGAGGAGTTACTGCCACC
TCTTCCCGCCCCACCCTCCCCCTGCACGGACTCGTCTGACCTCGGCCGTCCACCCGGC
CCTGCTGCCTCCCTGTAAATATTTTAAATATGAACAAAGGAAAAATATATTTTATGATT
TAAAAAATAAATATAATTGGGGTTTTTAACAAGTGAGAAATGTGAGCGGTGAAGGGGTGG
GCAGGGCTGGGAACTTTTCTAG (SEQ ID NO:1)

Gene Sequence
Structure *

3659 bp

Sequence Deleted

3701 bp

Size of full-length
cDNA: 5119 bp

FIGURE 3B